

WHAT IS CLAIMED IS:

Sub C2
1. A pest eradication product comprising:

a peptide directed against an antigenic epitope of a

5 gastrointestinal or digestive tract target cell of said pest; and

a toxin.

2. The pest eradication product of claim 1, wherein

10 said pest is selected from the group consisting of imported fire ant queens, roaches, termites, mosquitoes, rodents, and birds.

3. The pest eradication product of claim 1, wherein

15 said toxin is selected from the group consisting of gelonin, bacterial endotoxin, ribosome inactivating proteins, pro-apoptotic agents, cell cycle blockers, cell proliferation inhibitors, and cell differentiation inhibitors.

4. The pest eradication product of claim 1, wherein said target cell is a cell in the microvilli of the midgut region of an imported fire ant.

5. The pest eradication product of claim 1, wherein said peptide is an antibody or antibody fragment specific to said antigen.

6. The pest eradication product of claim 1, wherein said peptide directed against said target cell antigen is an antibody secreted from hybridoma selected from the group consisting of FA1, FA4, FA7, FA8, FA9, FA10, FA13, FA14, FA15, and FA17.

7. A pest eradication product comprising:

a peptide directed against an antigenic epitope of a gastrointestinal or digestive tract target cell of said pest;

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a peptide directed against an antigenic epitope of a toxin;

and

a toxin.

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8. The pest eradication product of claim 7, wherein said pest is selected from the group consisting of imported fire ant queens, roaches, termites, mosquitoes, rodents, and birds.

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9. The pest eradication product of claim 7, wherein said toxin is selected from the group consisting of gelonin, bacterial endotoxin, ribosome inactivating proteins, pro-apoptotic agents, cell cycle blockers, cell proliferation inhibitors, and cell differentiation inhibitors.

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10. The pest eradication product of claim 7, wherein said target cell is a cell in the microvilli of the midgut region of an imported fire ant.

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11. The pest eradication product of claim 7, wherein said peptide is an antibody or antibody fragment specific to said antigen or said toxin.

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12. The pest eradication product of claim 7, wherein said peptide directed against said target cell antigen is an antibody secreted from hybridoma selected from the group consisting of FA1, FA4, FA7, FA8, FA9, FA10, FA13, FA14, FA15, and FA17.

13. The pest eradication product of claim 7, wherein said peptide directed against said toxin is an antibody secreted from hybridoma selected from the group consisting of G1, G2, G3, G4, G5, G6, and G7.

14. The pest eradication product of claim 7, wherein said peptide directed against said toxin is an antibody fragment

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5 Sub 67 derived from phage display library clone selected from the group consisting of pComb3/Fab(6) and pComb3/Fab(47).

15 Sub 67 15. A method of killing a pest, comprising the step of contacting said pest with the pest eradication product of claim 1.

10 16. A method of killing a pest, comprising the step of contacting said pest with the pest eradication product of claim 7.

15 17. A peptide directed against a target cell antigen, wherein said peptide is an antibody secreted from hybridoma selected from the group consisting of FA1, FA4, FA7, FA8, FA9, FA10, FA13, FA14, FA15, and FA17.

~~18.~~ A peptide directed against a toxin, wherein said peptide is an antibody secreted from hybridoma selected from the group consisting of G1, G2, G3, G4, G5, G6, and G7.

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~~19.~~ A peptide directed against a toxin, wherein said peptide is an antibody fragment derived from phage display library clone selected from the group consisting of pComb3/Fab(6) and pComb3/Fab(47).

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